

**Cerebrovascular disease (Basic research)**

Chair : Kazuo Kitagawa

Department of Neurology, Tokyo Women's Medical University

Commentator : Andrew M. Demchuk

Calgary Stroke Program, University of Calgary, Canada

**Pe-018-1 CRTC2 played important role for ischemic stroke**

Hideaki Kanki

Department of Neurology, Osaka University Graduate School of Medicine

**Pe-018-2 Ameliorating Effects of New Type HDAC Inhibitors with a Diketopiperazine Group on Ischemic Injury**

Tsutomu Sasaki

Department of Neurology, Graduate School of Medicine, Osaka University

**Pe-018-3 Accumulation of adiponectin trimer in the rat brain under chronic cerebral hypoperfusion**

Yu Takahashi

Nanakuri Memorial Hospital Fujita Health University, Department of Internal Medicine

**Pe-018-4 High ethanol consumption accelerates hematoma growth in ICH rats via MMP-9 activation**

Hock-kean Liew

Department of Medical Research, Buddhist Tzu Chi General Hospital, Hualien, Taiwan

**Pe-018-5 beta 1-integrins modulate tight junction expression and permeability in cerebral endothelial cells**

Yoshikane Izawa

Division of Hematology, Department of Medicine, University of Washington School of Medicine, Seattle, WA, USA / Department of Neurology, Keio University School of Medicine, Tokyo, Japan

**Cerebrovascular disease (Prognostic factor)**

Chair : Teruyuki Hirano

Department of Stroke and Cerebrovascular Medicine, Kyorin University

Commentator : Naohisa Hosomi

Department of Clinical Neuroscience and Therapeutics, Hiroshima University Graduate School of Biomedical &amp; Health Sciences

**Pe-019-1 Clinical features of recurrent stroke patients diagnosed embolic stroke of undetermined sources**

Taizen Nakase

Research Institute for Brain &amp; Blood Vessels -Akita

**Pe-019-2 Clinical features of hemichorea-hemiballism, considered as stroke-related movement disorders**

Nobuko Shiraiwa

Department of Health Sciences, Tsukuba University of Technology / Department of Neurology, Tsukuba Memorial Hospital

**Pe-019-3 The ratio of EPA/AA is associated with mortality and poor outcomes in patients with ischemic stroke**

Yuri Shojima

Department of Neurology, Juntendo University

**Pe-019-4 Association between GFR and dilated Virchow Robin spaces in acute ischemic stroke**

Bo Wu

Department of Neurology, West China Hospital, Sichuan University, China

**★ Pe-019-5 Rehabilitation and Readmission/Mortality Risks in Patients with Stroke or Transient Ischemic Attack (APe-01-5)**

Chu-ling Yen

Kaohsiung Chang Gung Memorial Hospital, Taiwan

**Pe-019-6 Insulin Resistance is An Independent Risk Factor for Early Neurological Deterioration**

Mi Donghua

Beijing Tiantan Hospital, China

**Cerebrovascular disease (Biomarker)**

Chair : Yoshiaki Itoh

Department of Neurology, OSAKA CITY UNIVERSITY GRADUATE SCHOOL OF MEDICINE

Commentator : Rajesh Verma

Department Of Neurology, King George Medical University, Lucknow, Uttar Pradesh, India

**Pe-020-1** Relation between LDL-C change and BNP change during treatment with pitavastatin

Hideki Sugimoto

Department of Neurology, School of Medicine Faculty of Medicine, Toho University Ohashi Medial Center

**Pe-020-2** Relationship of systolic BP during 24 hours after IV rt-PA to clinical outcome in patients with AIS

Takeshi Yoshimoto

National Cerebral and Cardiovascular Center, Department of Neurology

**Pe-020-3** Predictors of Hemorrhagic Transformation in Patients with MCA occlusion Receiving intravenous rt-PA

Masahiko Ichijo

Department of Neurology, Musashino Red Cross Hospital

**Pe-020-4** In anticoagulation for acute ischemic stroke associated with NVAF, which is better, heparin or DOAC?

Masanori Tomoda

Department of Cerebrovascular Medicine and Neurology, Clinical Research Institute

**Pe-020-5** Withdrawn**Parkinsonism and Related disorders (DAT-SCAN and basic research)**

Chair : Shigeki Hirano

Department of Neurology, Graduate School of Medicine, Chiba University

Commentator : Tetsuya Takahashi

Department of Clinical Neuroscience and Therapeutics

**Pe-021-1** Differences in the DaT-SPECT study according to the phenotypes of the progressive supranuclear palsy

Yasushi Takehisa

Japanese Red Cross Okayama Hospital, Department of Neurology

**Pe-021-2** Striato-Prefrontal Projection in parkinsonian syndrome with perfusion and dopamine transporter SPECT

Yoshikazu Nakano

Department of Neurology, Chiba University Graduate School of Medicine

**Pe-021-3** Motor and cognitive functions in PD correlate with caudate DAT availability and hippocampal atrophy

Shuro Kogawa

The Department of Internal Medicine, Kohka Public Hospital

★ **Pe-021-4** Interactions between caffeine intake and LRRK2 gene in Parkinson's Disease (APe-01-6)

Yi Lin Ong

DUKE-NUS Medical School, Singapore / National Neuroscience Institute, Singapore

**Pe-021-5** Prevalence of GBA gene mutation in PD in Singapore

Fiona Setiawan

National Neuroscience Institute, Singapore / Singapore General Hospital (Departments of Neurology), Singapore

## Pe-022 English Poster Session

En

May 24 (Thu) 17:35 ~ 18:50

Poster Session (Royton Sapporo [Royton Hall] 3F)

### Parkinsonism and Related disorders (Biomarkers)

Chair : Shinji Saiki

Department of Neurology, Juntendo University School of Medicine

Commentator : Takao Mitsui

Tokushima National Hospital

**Pe-022-1** Association of grip strength with plasma muscle-specific biomarkers in Parkinson's disease

Yuko Kitahara

Department of Neurology, Graduate School of Medicine, Juntendo University

**Pe-022-2** Plasma biomarker from L-dopa metabolite for pathological condition assessment of Parkinson's Disease

Akiko Chukyo

Department of Neurology, Juntendo University School of Medicine / Department of Pharmacy, Juntendo University Hospital

**Pe-022-3** Human non-mercaptoalbumin as novel biomarker in Parkinson's disease and PARK2 patients

Shin-ichi Ueno

Department of Neurology, Juntendo University Graduate School of Medicine, Tokyo, Japan

**Pe-022-4** Evaluation of visual evoked magnetic fields of Parkinson's disease with visual-related problems

Ryoji Naganuma

Department of Neurology, Faculty of Medicine and Graduate School of Medicine, Hokkaido University.

- ★ **Pe-022-5** **MIR-132 EXPRESSION IN PLASMA OF PARKINSON'S DISEASE**  
 (APe-01-4) **Zhaofei Yang**  
 Center for Translational Research on Neurological Disease, 1st Affiliated Hospital, Dalian Medical University, China

**Pe-023 English Poster Session**

**En**

May 24 (Thu) 17:35 ~ 18:50

Poster Session (Royton Sapporo [Royton Hall] 3F)

**Dementia (Basic research1)**

Chair : Kazuhiro Ishii  
 Department of Neurology, Faculty of Medicine, University of Tsukuba  
 Commentator : Mari Tada  
 Department of Pathology, Brain Research Institute, Niigata University

- Pe-023-1** **Altered expression of the Tau protein by organic arsenic compounds**  
**Kazuhiro Ishii**  
 Department of Neurology, Faculty of Medicine, University of Tsukuba

- Pe-023-2** **The role of pericytes constituting the blood-brain barrier for the clearance of amyloid beta**  
**Yasuteru Sano**  
 Department of Neurology and Clinical Neuroscience, Yamaguchi University Graduate School of Medicine

- Pe-023-3** **Homer1a-mediated resilience against neuronal hyperexcitability by APP and amyloid beta oligomer**  
**Kenji Yamamoto**  
 Department of Neurology, Utano National Hospital / Clinical Research Center, Utano National Hospital / Department of Physiology, Kanazawa Medical University

- Pe-023-4** **Tau regulates food intake and body weight**  
**Yusuke Fujioka**  
 Department of Neurology, Nagoya University Graduate School of Medicine

- Pe-023-5** **TGF-beta-RELATED PROTEINS IN THE INCLUSIONS OF ADULT-ONSET NEURONAL INTRANUCLEAR INCLUSION DISEASE**  
**Tomoe Sato**  
 Department of Pathology, Brain Research Institute, Niigata University

- Pe-023-6** **SV2B can regulate BACE1 localization**  
**Masakazu Miyamoto**  
 Department of Neurology Kyoto University Graduate School of Medicine / Department of Human Health Science Kyoto University Graduate School of Medicine

- Pe-023-7** **Beneficial efficiency of the extract of Terminalia chebula in aluminium-induced neurotoxicity**  
**Sumit Rajput**  
 GURU GOBIND SINGH INDRAPRASTHA UNIVERSITY, India

**Motor Neuron Disease (electrophysiological studies)**

Chair : Atsushi Hashizume

Nagoya University Hospital, Department of Neurology

Commentator : Kenji Sekiguchi

Division of Neurology, Kobe University Graduate School of  
Medicine**Pe-024-1 Ectopic impulse generation in peripheral nerve hyperexcitability syndromes and ALS**

Yu-ichi Noto

Department of Neurology, Graduate School of Medical Science, Kyoto Prefectural University of  
Medicine / Brain and Mind Centre, THE UNIVERSITY OF SYDNEY**Pe-024-2 Motor cortex low intensities on SWI in progressive muscular atrophy with widespread fasciculations**

Kenji Sekiguchi

Division of Neurology, Kobe University Graduate School of Medicine

**Pe-024-3 Elevation of serum creatine kinase at the onset of Amyotrophic Lateral Sclerosis**

Daisuke Ito

Nagoya University Graduate School of Medicine, Department of Neurology

**Pe-024-4 Restless Legs Syndrome in Chinese Patients with Sporadic Amyotrophic Lateral Sclerosis**

Shuangwu Liu

Peking Union Medical College Hospital, Chinese Academy of Medical Sciences, China

**Cerebellar ataxia and others (Clinical research)**

Chair : Tetsutaro Ozawa

Institute of Community Medicine, Niigata University

Commentator : Gregor K. Wenning

Medical University Innsbruck, Department of Neurology, Austria

**Pe-025-1 The severity of ataxia is not correlated with urinary dysfunction in multiple system atrophy**

Tatsuya Yamamoto

Department of Neurology, Graduate School of Medicine, Chiba University

**Pe-025-2 Proposal of modified autonomic failure criteria for the diagnosis of MSA (second report)**

Yoshitaka Yamanaka

Department of Neurology, Graduate School of Medicine, Chiba University

Pe-025-3 Clinical summary and neuropathological observations of early-onset multiple system atrophy

Takashi Ando

Department of Neurology, Nagoya University Graduate School of Medicine / Department of Neuropathology, Institute for Medical Science of Aging, Aichi Medical University

Pe-025-4 Registry Study for Multiple System Atrophy: HoRC-MSA project from the aspect of medication use

Masaaki Matsushima

Department of Neurology, Faculty of Medicine and Graduate School of Medicine, Hokkaido University

Pe-025-5 Clinical application of arterial spin labeling MRI in patients with spinocerebellar degeneration

Masamichi Ikawa

Department of Neurology, University of Fukui Hospital / Second Department of Internal Medicine, Faculty of Medical Sciences, University of Fukui / Biomedical Imaging Research Center, University of Fukui

Pe-025-6 Effects of the intensive rehabilitation program in each type of degenerative cerebellar diseases

Hiroki Abe

Department of Neurology, National Center Hospital, National Center of Neurology and Psychiatry, Tokyo, Japan / Department of Physiology, Yokohama City University Graduate School of Medicine, Yokohama, Japan

Pe-025-7 Hereditary spastic paraplegia: case report and review of literature

Kantasit Wisanuvej

Suratthani hospital, Thailand

Pe-026 English Poster Session

En

May 24 (Thu) 17:35 ~ 18:50

Poster Session (Royton Sapporo [Royton Hall] 3F)

Parkinsonism and Related disorders (Basic research1)

Chair : Hirohisa Watanabe

Nagoya University Brain and Mind Research Center

Commentator : Günter Höglinger

German Center for Neurodegenerative Diseases Munich, Germany

Pe-026-1 TREM2 p.R47H may be a risk factor for multiple system atrophy

Kotaro Ogaki

Department of Neuroscience, Mayo Clinic, Jacksonville, Florida, USA / Department of Neurology, Juntendo University Shizuoka hospital, Izunokunishi, Shizuoka, Japan

Pe-026-2 Aberrant accumulation of ErbB4 in progressive supranuclear palsy

Aya Murakami

Department of Neurology, Kansai Medical University

Pe-026-3 Possible involvement of metallothionein in rotenone-induced dopaminergic neurotoxicity

Ikuko Miyazaki

Dept. of Medical Neurobiology, Okayama Univ. Grad. Sch. of Med., Dent. and Pharmaceut. Sci.

**Pe-026-4** Experimental verification of RF heating during MRI following DBS with an intracerebral electrode

**Hitoshi Yabe**

Division of Health Sciences, Graduate School of Medical Sciences, Kanazawa University /  
Department of Radiology, Saitama Rehabilitation Center

**Pe-026-5** Lack of PLCG1 mediates ADHD-like behaviors through abnormal development of mDA neurons in mice

**Du-seock Kang**

Department of Biological Sciences, Korea Advanced Institute of Science & Technology (KAIST),  
Daejeon, Korea / School of Life Sciences, Ulsan National Institute of Science and Technology,  
Ulsan, Korea

**Pe-027 English Poster Session**

**En**

May 24 (Thu) 17 : 35 ~ 18 : 50

Poster Session (Royton Sapporo [Royton Hall] 3F)

**Neuroimmunology (NMO2)**

Chair : Masahiro Mori

Department of Neurology, Graduate School of Medicine, Chiba University

Commentator : Kazuya Takahashi

National Hospital Organization Iou Hospital

**Pe-027-1** Focal cortical astrocytopathy with demyelination in neuromyelitis optica spectrum disorder

**Shotaro Hayashida**

Department of Neurology, Neurological Institute, Graduate School of Medical Sciences, Kyushu University

**Pe-027-2** Clinical, radiological and immunological features of late-onset NMOSD in a Japanese cohort

**Akihiro Nakajima**

Department of Neurology, Brain Research Institute, Niigata University, Niigata, Japan

**Pe-027-3** Two Cases of Late-onset NMOSD with Cerebral Lesions on Initial Presentation

**Tai Otani**

Department of Neurology, Yokosuka Kyosai Hospital

**Pe-027-4** Cerebral cortical encephalitis with MOG antibody detected only in the CSF: A report of two cases

**Ryo Ogawa**

Department of Neurology, Tohoku University School of Medicine

**Pe-027-5** Late-onset Neuromyelitis Optica Spectrum Disorder Presenting with Falls and Monoparesis: A Case Report

**Pannathat Soontrapa**

Mahidol university: Siriraj hospital, Thailand

**Pe-027-6** Positivity of ANA & SSA during NMOSD Attacks in Patients without Co-existing SLE & Sjogren Syndrome

**Jyh Yung Hor**

Department of Neurology, Penang General Hospital, Penang, Malaysia



**Parkinsonism and Related disorders (Biochemistry)**

Chair : Akio Kikuchi

Department of Neurology, Tohoku University Graduate School of Medicine

Commentator : Adam L. Boxer

University of California, San Francisco, USA

**Pe-028-1 The increased a-syn expression inhibits exosome secretion**

Yuta Ishiguro

Juntendo University School of Medicine, Neurology

**Pe-028-2 Alpha-synuclein interacting proteins in nucleus**

Naoto Sugeno

Department of Neurology, Tohoku University Hospital

**Pe-028-3 DNAJC13 mutation aggravates alpha-synuclein-induced toxicity through perturbation of trafficking**

Shun Yoshida

Division of Neurology, Department of Neuroscience &amp; Sensory Organs, Tohoku University Graduate School of Medicine

**Pe-028-4 NURRI DEFICIENCY-MEDIATED INFLAMMATORY INJURY TO NIGRAL DOPAMINE NEURONS IN PARKINSON'S DISEASE**

Jie Dong

Center for Translational Research on Neurological Disease, 1st Affiliated Hospital, Dalian Medical University, China

**Peripheral neuropathy (CMT and CIDP)**

Chair : Hiroshi Takashima

Department of Neurology and Geriatrics, Kagoshima University

Commentator : Toshiki Fujioka

Toho University Ohashi Medical Center, Department of Neurology

**Pe-029-1 Clinical features of middle-aged and elderly Charcot-Marie-Tooth patients**

Fukiko Kitani-morii

Department of Neurology, Graduate School of Kyoto Prefectural University of Medicine

**Pe-029-2 B cell activating factor (BAFF) expression in the active phase of CIDP**

Teruaki Kawasaki

Koseikai Takeda Hospital, Center of Neurological and Cerebrovascular Diseases

**Pe-029-3 Subacute combined degeneration of spinal cord and gastric neuroendocrine tumor: case report**

Wan-ling Chang

Department of Neurology, National Taiwan University Hospital, Taiwan

**Pe-029-4 Tongue Fasciculation in a Patient with Chronic Inflammatory Demyelinating Polyneuropathy**

**Katrina T. Roberto**

Department of Neurosciences, Philippine General Hospital, University of the Philippines, Manila, Philippines

**Pe-030 English Poster Session**

**En**

May 24 (Thu) 17 : 35 ~ 18 : 50

Poster Session (Royton Sapporo [Royton Hall] 3F)

**Metabolic disorders (Mitochondrial disease and nutrition)**

Chair : Youichi Hokezu

Department of Neurology, Oita Prefectural Hospital

Commentator : Michito Namekawa

Health Administration Center, Saitama Prefectural University

**Pe-030-1 Cortical lesions on MRI in osmotic demyelination syndrome, a CJD mimic**

**Shonosuke Watanabe**

Aizawa Hospital, Matumoto, Japan

**Pe-030-2 Analysis of mitochondrial DNA point mutations derived from the multiple tissues**

**Hisashi Uwatoko**

Department of Neurology, Faculty of Medicine and Graduate School of Medicine, Hokkaido University

**Pe-030-3 Distinctive distribution of brain volume reductions in MELAS and mtDNA A3243G mutation carriers**

**Koyo Tsujikawa**

Department of Neurology, Nagoya University Graduate School of Medicine / Department of Neurology, Nagoya Daini Red Cross Hospital

**Pe-030-4 Withdrawn**

**Pe-030-5 Autonomic neuropathy and polyneuropathy in type 2 diabetes mellitus**

**Eun Hee Sohn**

Chungnam National University Hospital, Korea

**Pe-031 English Poster Session**

**En**

May 24 (Thu) 17 : 35 ~ 18 : 50

Poster Session (Royton Sapporo [Royton Hall] 3F)

**Neurophysiology**

Chair : Masako Kinoshita

Department of Neurology, Utano National Hospital

Commentator : Hidetomo Murakami

Department of Neurology, School of Medicine, Showa University

**Pe-031-1 Effect of factor structure of the WMS-R on cortical structure for elderly patients**

**Ryuta Kinno**

Division of Neurology, Department of Medicine, Showa University School of Medicine

**Pe-031-2** The relationship between striatal dopamine transporter and cognitive function in healthy subjects

Hongliang Li

Department of Neurology, Graduate School of Medicine, Chiba University

**Pe-031-3** Motor potentials of MRCPs may originate from sensori-motor area and supplementary sensori-motor area

Jun-ichi Kitamura

Jikei-Kai Yokohama Hajime Hospital Department of Neurology

**Pe-031-4** Effect of repetitive photic stimulations on heart rate variability

Masako Kinoshita

Department of Neurology, Utano National Hospital

**Pe-031-5** Different alarm criteria in muscle MEP between cervical and thoracic OPLL surgery

Seong-rae Jo

Department of Neurology, Stroke Center, Yuseong Sun Medical Center., Korea

**Pe-031-6** Hyperexcitability in Flash Visual Evoked Potentials of Migraine Patients

Doo Eung Kim

Veterans Health Service Medical Center, Korea

**Pe-031-7** Assessment Of Facial Synkinesis With Applied Blink Reflex Test

Han Jeong Ho

Veterans Health Service Medical Center, Korea

## **Pe-032 English Poster Session**

**En**

May 24 (Thu) 17 : 35 ~ 18 : 50

Poster Session (Royton Sapporo [Royton Hall] 3F)

### **Cerebellar ataxia and others (Basic research and others)**

Chair : Hiroaki Adachi

Department of Neurology, University of Occupational and Environmental Health School of Medicine

Commentator : Masayoshi Tada

Niigata University, Department of Neurology

**Pe-032-1** Impaired esophageal phase of swallowing with dilated esophagus in Machado-Joseph Disease

Go Fujino

Department of Neurology, Graduate School of Medicine, The University of Tokyo /NTT Medical Center Tokyo, Department of Neurology

**Pe-032-2** Kaempferol, a kind of flavonol, enhances degradation of disease-causing proteins via autophagy

Hiroaki Adachi

Department of Neurology, University of Occupational and Environmental Health School of Medicine

**Pe-032-3** The interaction of co-chaperone SGTA and protein aggregates in neurodegenerative diseases

**Shun Kubota**

Department of Neurology and Stroke Medicine, Yokohama City University Graduate School of Medicine

**Pe-032-4** Fahr's Disease in a 26 year old Filipino Female; A Case Report

**Winston P. Dela Cruz**

Corazon Loecin Montelibano Memorial Regional Hospital, Philippines

**Pe-032-5** Effect of *Mucuna pruriens* seed on methyl mercury-induced oxidative stress in cerebellum of rats

**Vikas Sharma**

GURU GOBIND SINGH INDRAPRASTHA UNIVERSITY, India

**Pe-033 English Poster Session**

**En**

May 24 (Thu) 17:35 ~ 18:50

Poster Session (Royton Sapporo [Royton Hall] 3F)

**Neuroimmunology (Basic research)**

Chair : **Masahiro Iijima**

Department of Neurology, Nagoya University Graduate School of Medicine

Commentator : **Sachiko Miyake**

Department of Immunology, Juntendo University Graduate School of Medicine

**Pe-033-1** Pathogenesis and effects of immunoglobulin in CIDP model mice

**Masahiro Iijima**

Department of Neurology / Department of therapeutics for intractable neurological disorders

**Pe-033-2** HTLV-1 reduces the expression of Toll-like receptor genes in HAM/TSP patients

**Ryuji Kubota**

Center for Chronic Viral Diseases, Kagoshima University

**Pe-033-3** POSTNATAL ALLERGY RESULTS IN AUTISM-LIKE BEHAVIOR IN MALE MICE VIA HIPPOCAMPAL SYNAPTOPATHY

**Ban-yu Saitoh**

Department of Neurology, Neurological Institute, Graduate School of Medical Sciences, Kyushu University, Japan

**Pe-033-4** Gap junction/hemichannel blockers ameliorate a mouse model of neuropathic pain

**Hideyuki Takeuchi**

Department of Neurology and Stroke Medicine, Yokohama City University Graduate School of Medicine / Department of Neuroimmunology, Research Institute of Environmental Medicine, Nagoya University

**Pe-033-5** Angiotensin 1-7 inhibits Klr6 expression in mice brain

**Kiyokazu Kawabe**

Department of Neurology Toho University Omori Medical Centre

Pe-033-6 Analysis of human thymic epithelial cells

Yohei Yamamoto

Department of Neurology, Institute of Biomedical Sciences, Tokushima University Graduate School

Pe-034 English Poster Session

En

May 24 (Thu) 17:35 ~ 18:50

Poster Session (Royton Sapporo [Royton Hall] 3F)

Myopathy (DMD/BMD1)

Chair : Yoshihide Sunada

Department of Neurology, Kawasaki Medical School

Commentator : Tsuyoshi Matsumura

National Hospital Organization Toneyama National Hospital

Pe-034-1 Exon 45 skipping therapy of iPS cells from a DMD patient with exon 46-55 deletion

Mitsuto Sato

Department of Medicine (Neurology and Rheumatology) Shinshu University School of Medicine

Pe-034-2 Decrease of genes associated with differentiation and regeneration in cardiomyocyte derived from DMD

Daigo Miyazaki

Department of Medicine (Neurology and Rheumatology) Shinshu University School of Medicine

∕Intractable Disease Care Center, Shinshu University Hospital

Pe-034-3 Establishment of a non-invasive and efficient in vitro assay system for exon skipping therapy

Hotake Takizawa

Department of Molecular Therapy, National Institute of Neuroscience, National Center of Neurology and Psychiatry

Pe-034-4 Pathomechanisms of muscle degeneration in nuclear envelopathy

Yukiko Hayashi

Department of Pathophysiology, Tokyo Medical University

Pe-034-5 Overexpression of mutant MATR3 recapitulates clinicopathological features of VCPDM and ALS in mice

Xiao Zhang

Department of neurology, Kumamoto university

**Epilepsy (Basic research)**

Chair : Naoki Akamatsu

International University of Health and Welfare School of Medicine, Department  
of Neurology, Fukuoka Sanno Hospital

Commentator : Hiroshi Shigeto

Epilepsy and Sleep Center, Fukuoka Sanno Hospital

**Pe-035-1 Protective effects of potocatechuic acid (PCA) on seizure-induced neuronal death**

Hong Ki Song

Hallym University KANGDONG SH HOSPITAL, Korea / HALLYM UNIVERSITY MEDICAL  
COLLEGS, Korea**Pe-035-2 Elucidation of Na<sup>+</sup>/K<sup>+</sup> ATPase activity of epileptic rat brain synaptosome by neurotransmitters**

Sukrat Sinha

Centre of Biotechnology, India

**Pe-035-3 Risk of epilepsy in surgical patients undergoing general or neuraxial anaesthesia**

Tsai-wei Hsu

National Synchrotron Radiation Research Center, Taiwan

**Pe-035-4 Knowledge awareness and attitude about epilepsy among some schoolteachers in Ulaanbaatar, Mongolia**

Delgermaa Purev

Mungunguur hospital, Mongolia

**Miscellaneous (Basic research3)**

Chair : Toshihiko Maeda

Department of Neurology and Clinical Neuroscience, Yamaguchi University  
Graduate School of Medicine

Commentator : Tetsuya Nagata

Department of Neurology and Neurological Science, Tokyo Medical  
and Dental University**Pe-036-1 Difference of ADAMI7 expression between BNB and BBB**

Masatoshi Omoto

Department of Neurology and Clinical Neuroscience, Yamaguchi University Graduate School of  
Medicine, Ube, Japan**Pe-036-2 Construction of the new multi-cultured in vitro blood-brain barrier model under shear forces**

Susumu Fujikawa

Department of Neurology and Clinical Neuroscience, Yamaguchi University Graduated School  
of Medicine.

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**Pe-036-3** The barrier effect of the components of the blood-brain barrier and the blood-nerve barrier in vitro

**Yukio Takeshita**

Department of Neurology and Clinical Neuroscience Yamaguchi University Graduate School of Medicine

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**Pe-036-4** Expression pattern of chondroitin sulfate matrix in the autism spectrum disorder mouse model brain

**Yuji Suzuki**

Research Institute for Diseases of Old Age, Juntendo University Graduate School of Medicine

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**Pe-036-5** Topiramate for the treatment of methamphetamine addiction: a meta-analysis

**Vida Margarette D. Andal**

University of the Philippines - Philippine General Hospital, Philippines

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**Pe-036-6** Effect of co-administration of *Matricaria Chamomilla* and *Crocus sativus* in diabetic depressed rats

**Saara Ahmad Muddasir Khan**

The Aga Khan University Hospital, Karachi, Pakistan

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**Pe-036-7** A novel structure of duplex antisense oligonucleotides improves potency via intraventricular route

**Su Su Lei Mon**

Tokyo Medical and Dental University, Japan

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